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Summary of experiments performed with Clone1 immortal cell line

Cell	ICa (5mM Ca)	IBa (30mM Ba)	ω -CgTxGVIA	ω -Aga IVA
1 (2week)	0	nd	nd	nd
2(2week)	<50pA	nd	nd	nd
3(2week)	0	nd	nd	nd
4(2week)	0	nd	nd	nd
5(2week)	0	nd	nd	nd
6(2week)	0	nd	nd	nd
7(2week)	<50pA	nd	nd	nd
8(2week)	>100pA	>200pA	100% @ 1 μ M	nd
9(2week)	>100pA	>200pA	70% @ 100nM	insensitive (50nM)
10(4week)	0	0	nd	nd
11(4week)	nd	<50pA	nd	nd
12(4week)	0	>200pA	70% @ 1 μ M	nd

6/12 cells had ICa
 Predominantly N type
 In one cell, residual current not inhibited by ω -AgaIVA

Table 1

CURRENT-VOLTAGE RELATIONSHIP 30 mM Ba CLONE 1 CELLS 1-2 WEEKS

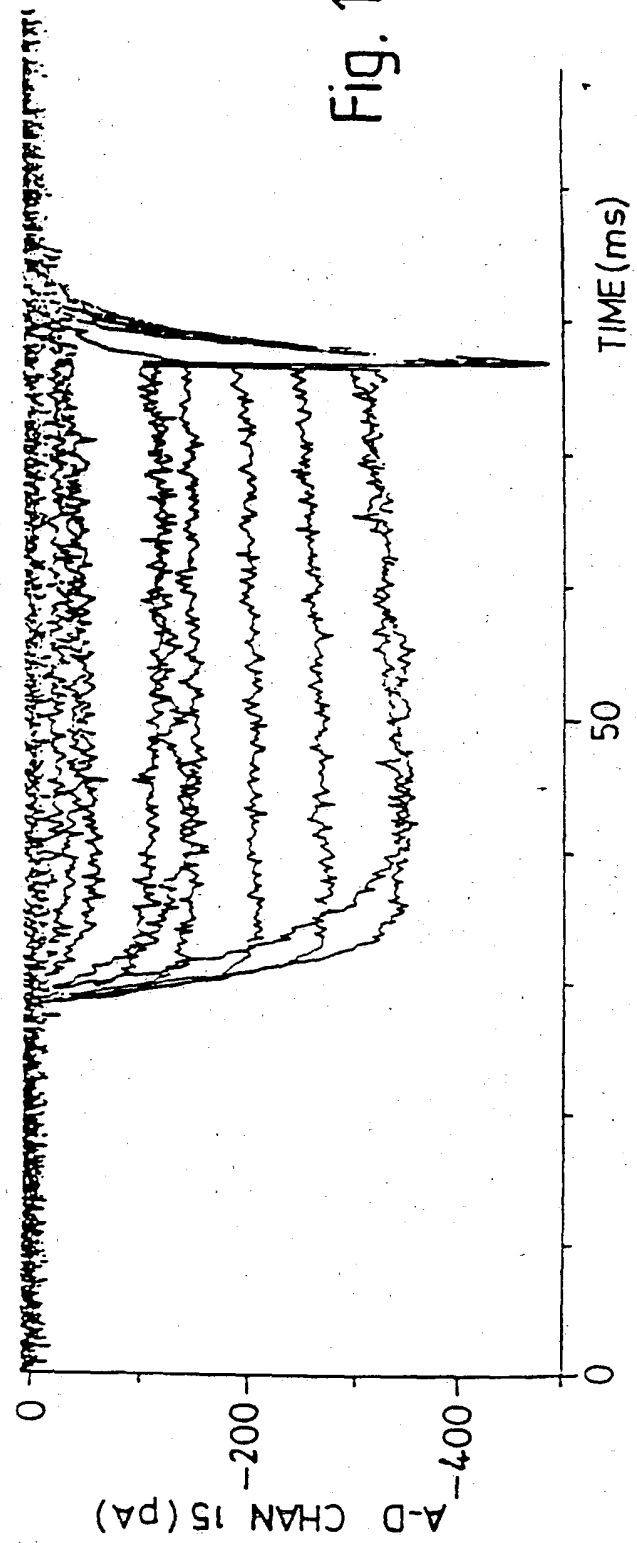
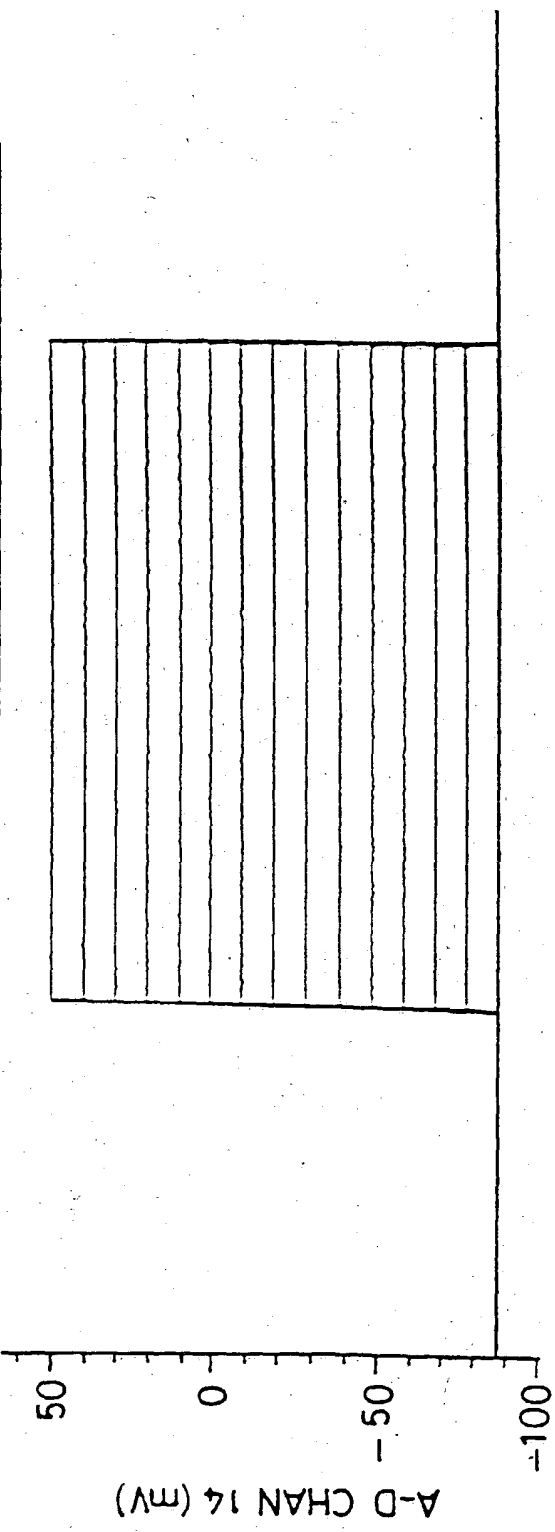


Fig. 1

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CLONE 1 CELLS

TIMECOURSE OF VDCC, EFFECTS OF TOXIN APPLICATION

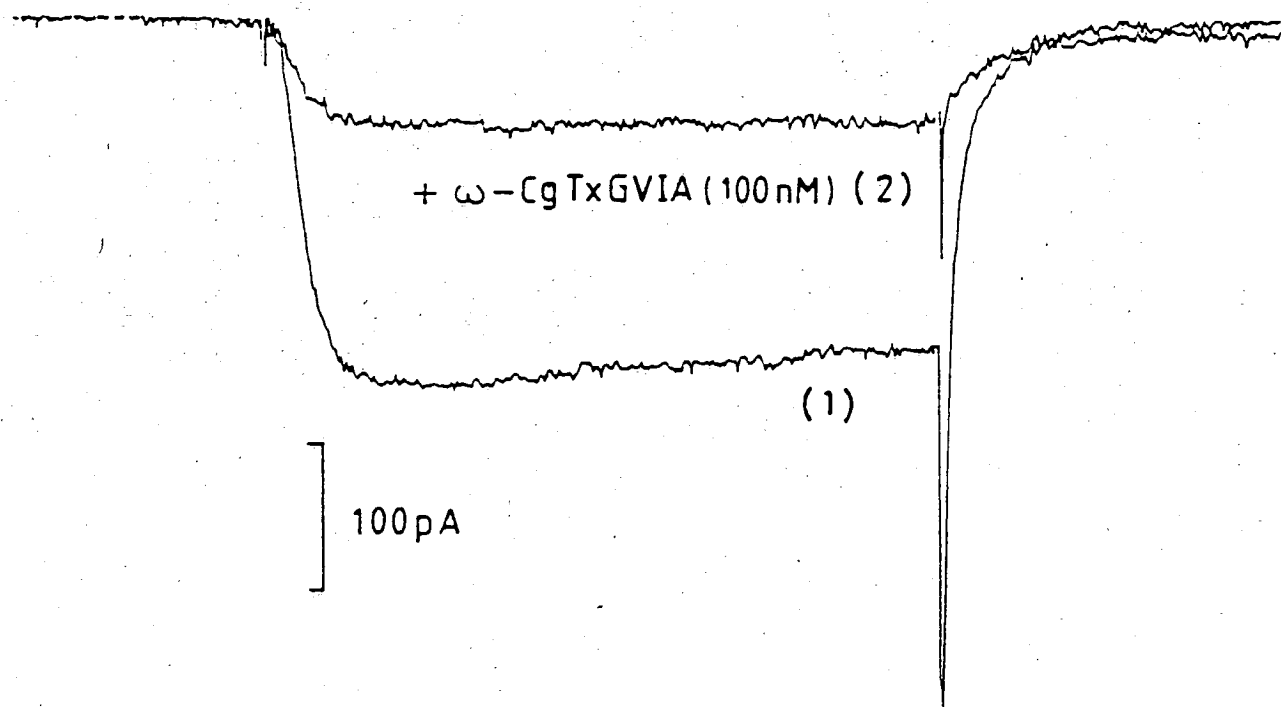
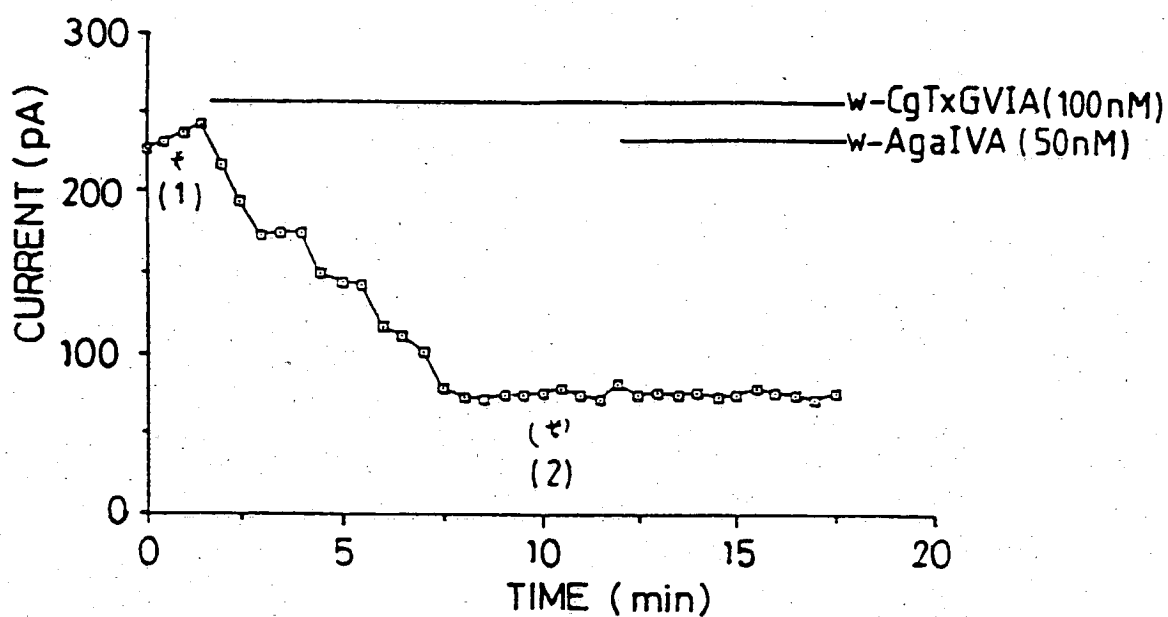


Fig. 2
AMENDED SHEET

* P:1

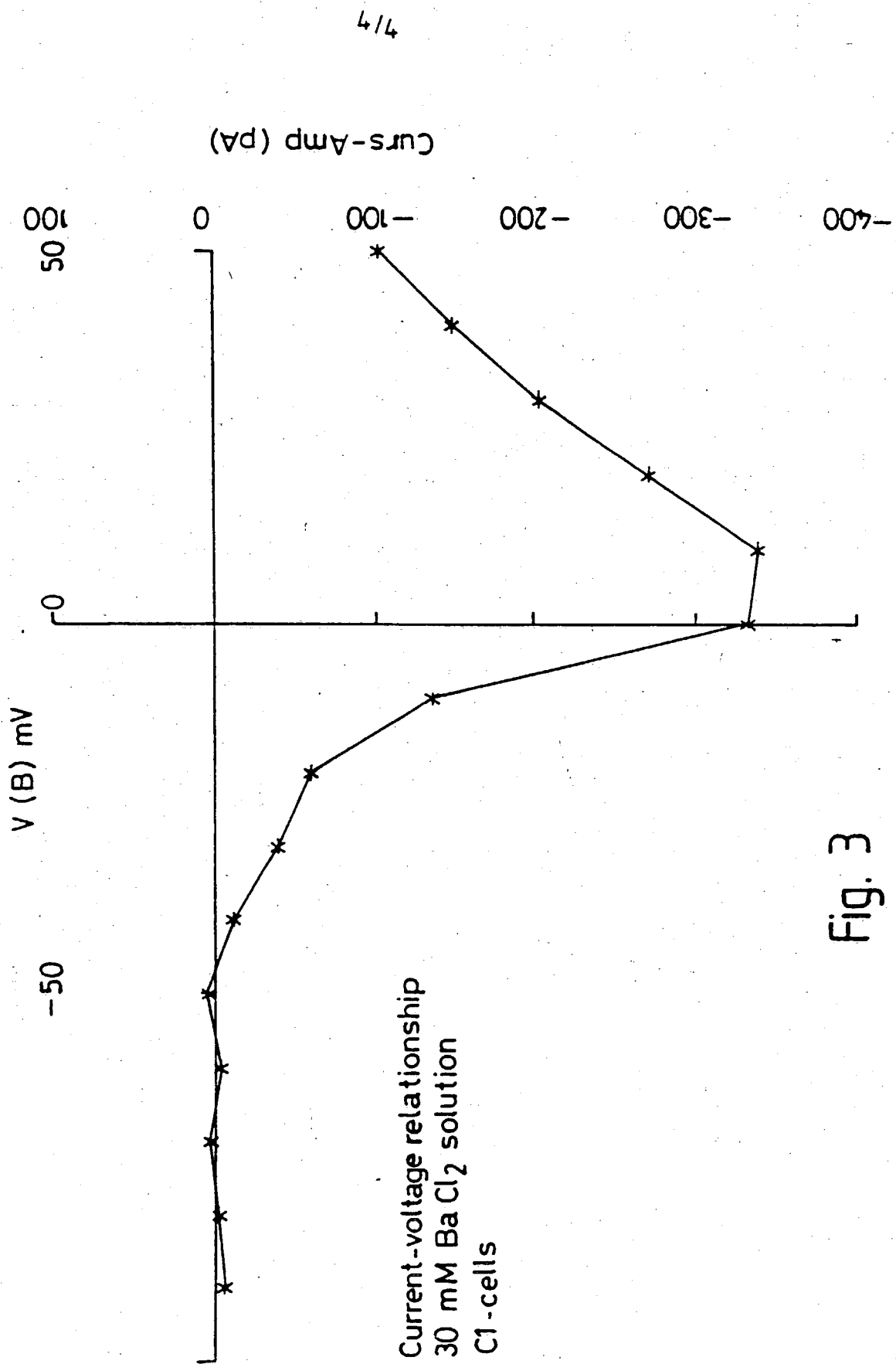


Fig. 3